

FIG. 1a

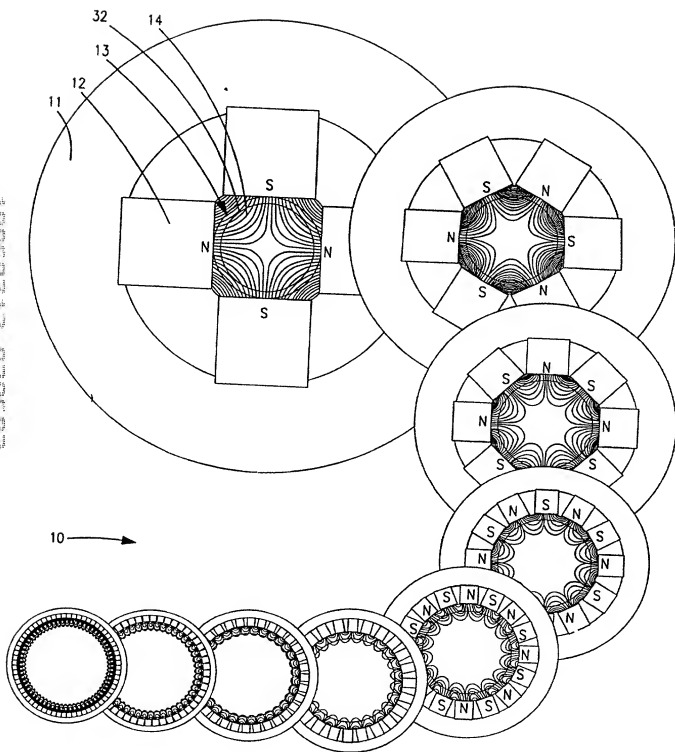


FIG. 1b

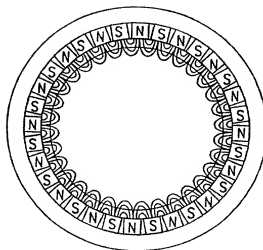
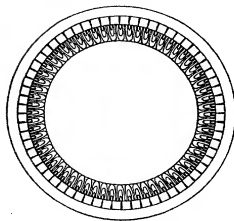
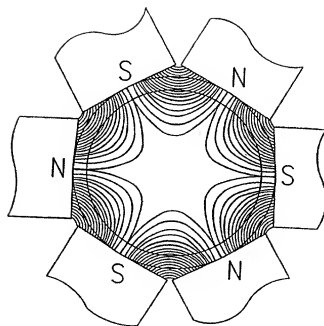
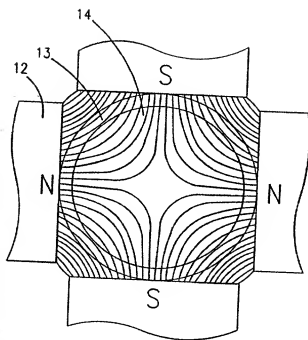


FIG. 1c

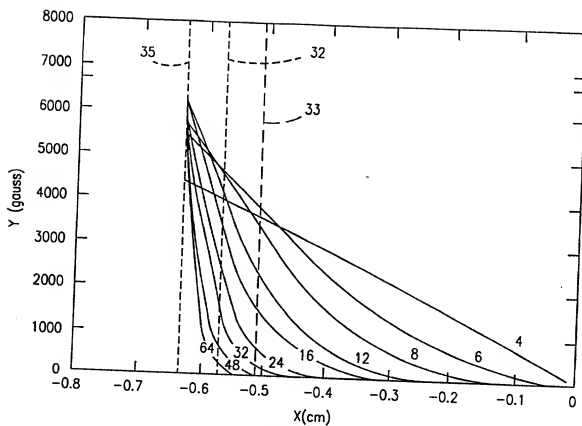


FIG. 2a

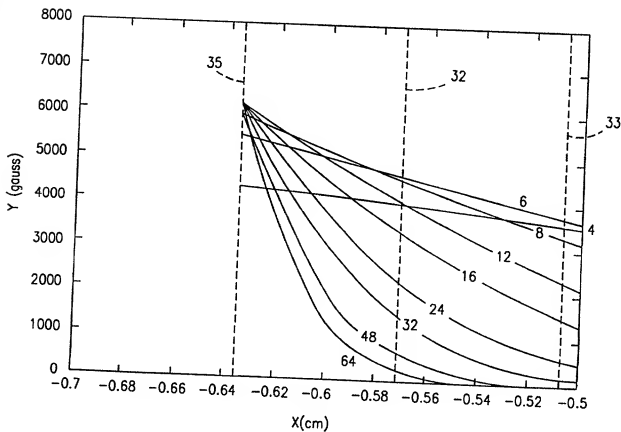


FIG. 2b

209020-2148001

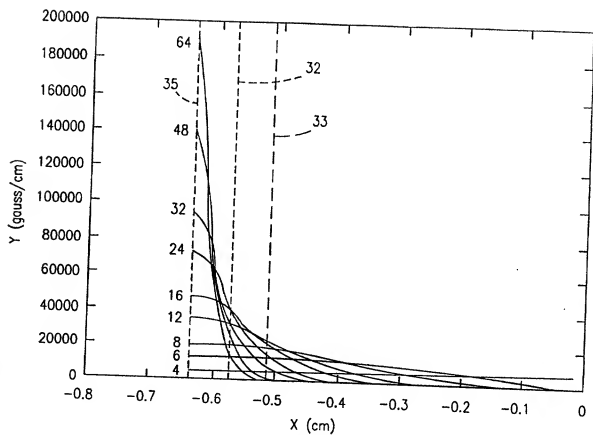


FIG. 2c

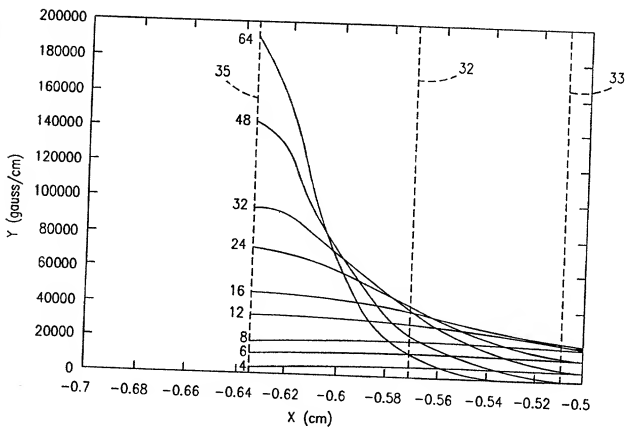


FIG. 2d

200620-2128001

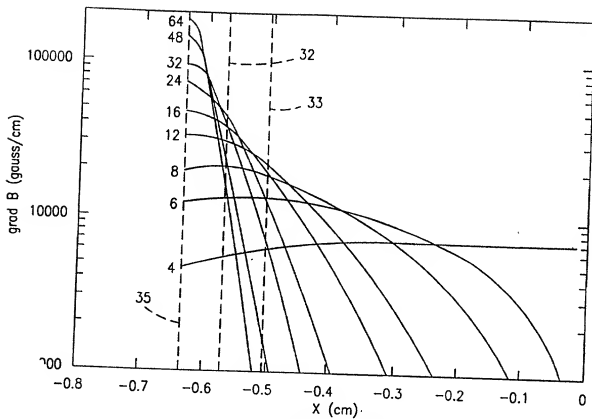


FIG. 2e

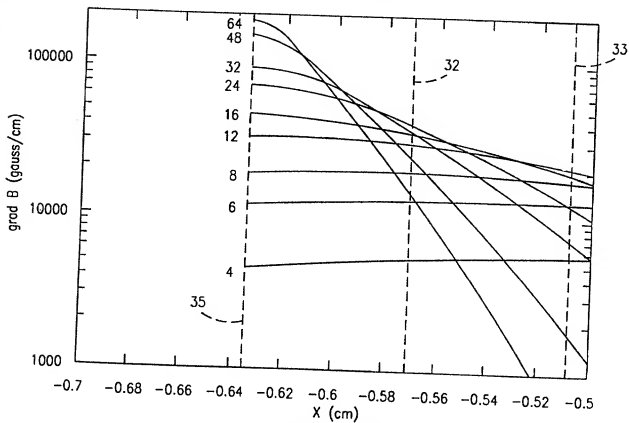


FIG. 2f

10068712.020602

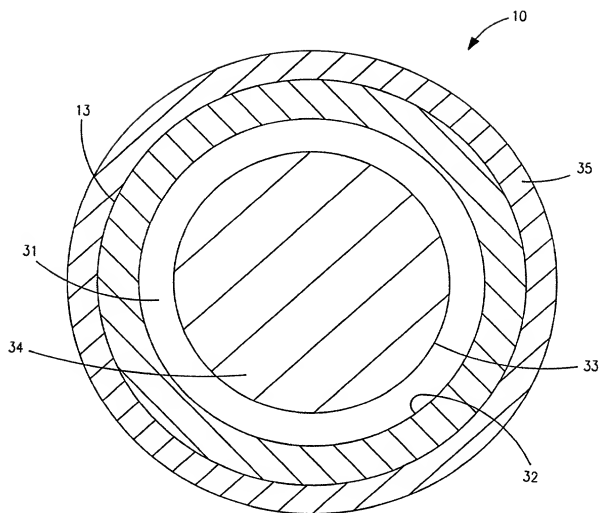


FIG. 3

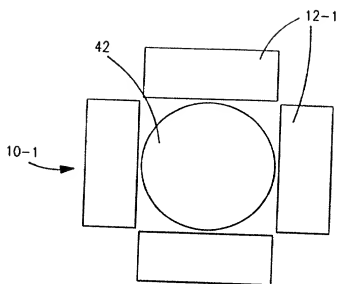


FIG. 4a

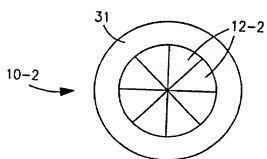


FIG. 4b

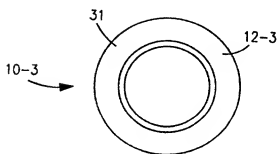


FIG. 4c

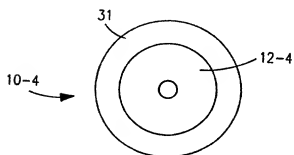


FIG. 4d

A line graph showing the magnetic field gradient (grad B) in gauss/cm on the y-axis (ranging from 0 to 60,000) versus magnet number on the x-axis (ranging from 4 to 64). Two data series are plotted: a solid line with open circle markers and a dashed line with cross markers. Both series show a peak around magnet number 16-20. The solid line peaks at approximately 48,000 gauss/cm, while the dashed line peaks at approximately 23,000 gauss/cm.

magnet number	grad B (gauss/cm) - Solid Line	grad B (gauss/cm) - Dashed Line
4	13,000	13,000
6	26,000	19,000
8	35,000	22,000
12	45,000	23,000
16	48,000	19,000
20	46,000	12,000
24	39,000	5,000
32	23,000	1,000
48	12,000	0
64	12,000	0

Figure 1 is a graph showing the dependence of the time of the appearance of the first maximum (t_{\max}) on the magnet number (N). The x-axis represents the magnet number, ranging from 4 to 64. The left y-axis represents $t(\text{sec})$ on a logarithmic scale from 0 to 200. The right y-axis represents $t(\text{sec})/(\text{log scale})$ on a logarithmic scale from 1 to 1000. Three data series are plotted for different values of α : 100% (squares), 95% (plus signs), and 50% (diamonds). For each α , there are two curves: a solid line labeled 'linear' and a dashed line labeled 'log y'. The 'log y' curves show a sharp increase in t_{\max} for magnet numbers greater than 48, while the 'linear' curves show a more gradual increase.

FIG. 5b

10063712-0300001

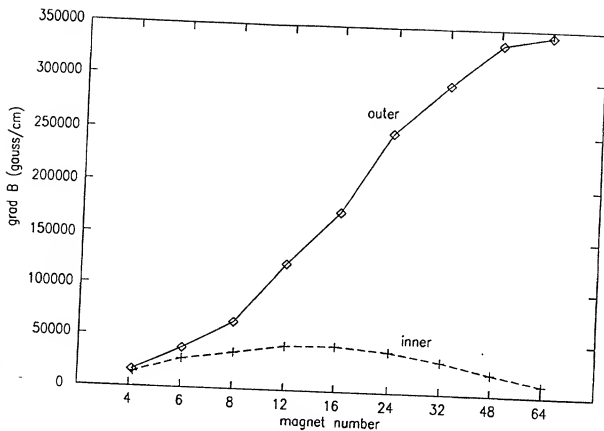


FIG. 6a

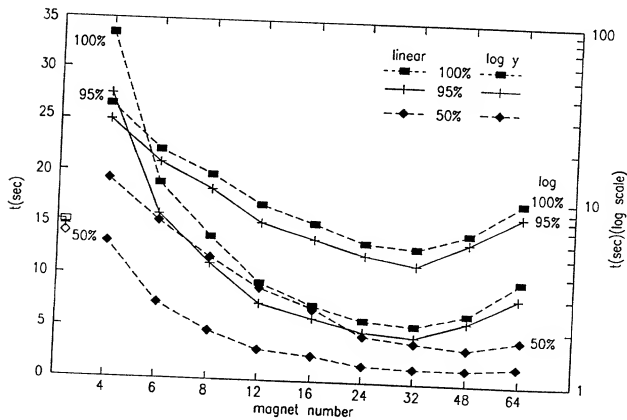


FIG. 6b

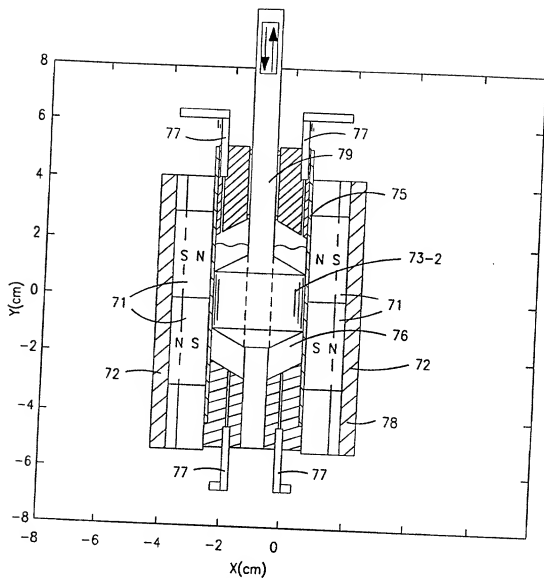


FIG. 7c

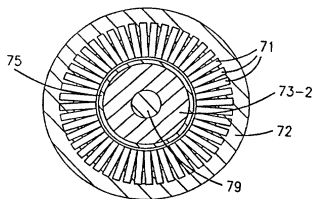


FIG. 7d

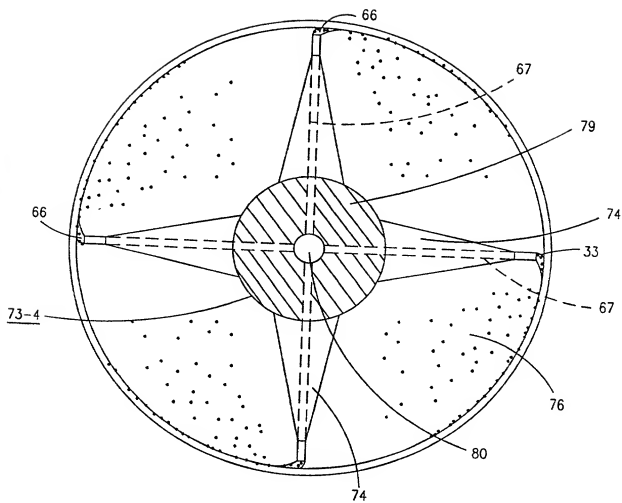
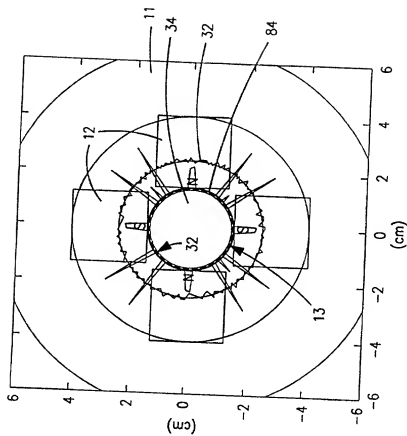
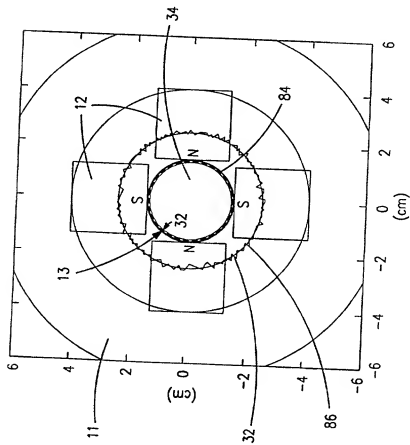


FIG. 7g



10068712.020602

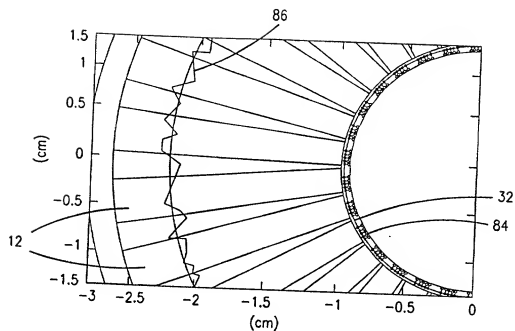


FIG. 8c

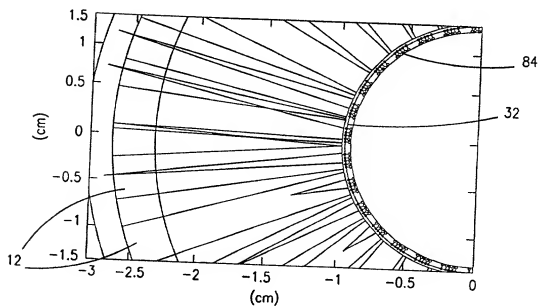


FIG. 8d

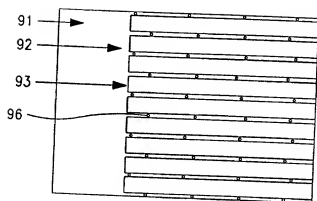


FIG. 9a

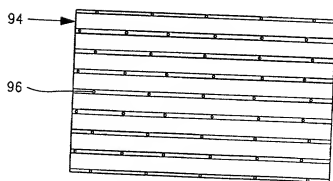


FIG. 9b

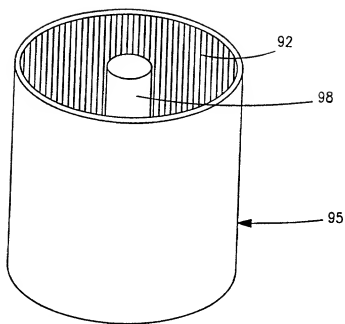


FIG. 9c

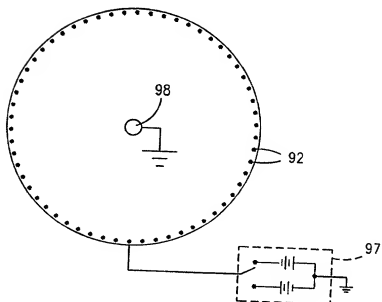


FIG. 9d